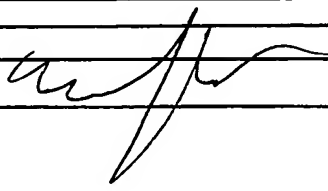


Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	Not Yet Assigned
				Confirmation Number	Unknown
				Filing Date	December 01, 2003
				First Named Inventor	Masaharu AKIBA
				Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	Q78641
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
<i>he</i>		US 4,968,593		11-06-1990	Inagaki et al.
<i>he</i>		US 6,225,024	B1	05-11-2001	Morishima et al.
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
<i>he</i>		JP	10-226170	A	08-25-1998		
<i>he</i>		JP	2001-287456	A	10-16-2001		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	4/12/06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

## **INFORMATION DISCLOSURE** **STATEMENT BY APPLICANT**

**Complete if Known**

<b>Application Number</b>	10/724,353
<b>Confirmation Number</b>	8087
<b>Filing Date</b>	December 01, 2003
<b>First Named Inventor</b>	Masaharu AKIBA
<b>Art Unit</b>	1756
<b>Examiner Name</b>	Not yet assigned
<b>Attorney Docket Number</b>	Q78641

Sheet	1	of	1
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U.S. PATENT DOCUMENTS					
Examiner Initials <sup>o</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
<i>mb</i>		US 4,619,990	A	10/28/1986	Elmasry
<i>de</i>		US 4,680,375	A	07/14/1987	Elmasry
<i>fu</i>		US 4,581,317	A	04/08/1986	Simmons, III
<i>in</i>		US 5,786,123	A	07/28/1998	Burns et al.
		US			
		US			
		US			
		US			
		US			

[illegible]

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>o</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
<i>m</i>		European Search Report dated December 23, 2004	

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**Date Considered**

4/19/06

<sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup>Applicant is to indicate here if English language Translation is attached.